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OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY

STEVEN A. THOMPSON
Executive Director

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY

BRAD HENRY
Governor

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EXTERNAL AFFAIRS DIVISION

December 25, 2007

Richard Greene, Regional Administrator
USEPA Region 6
1445 Ross Avenue, Suite 1200
Dallas, Texas 75202-2733

Subject: Central Oklahoma Early Action Compact

Dear Mr. Greene:

Please find enclosed the Oklahoma DEQ portion of the July 1 to December 31, 2007 progress report for the Central Oklahoma Early Action Compact (EAC). The Association of Central Oklahoma Governments (ACOG) will be responsible for providing an update on the implementation of the control measures, and submit a separate report. There are no applicable state control measures.

We are pleased to certify that: 1. All of the Oklahoma DEQ ozone monitoring data collected through October 31, 2007 has been quality assured and entered into the Air Quality System (AQS), and the certification of this data has been sent to Pam Phillips (Region 6) and David Lutz (EPA RTP) and 2. The 2005 through 2007 ozone season monitoring data has been quality assured and shows attainment with the 8-hour ozone standard. A copy of the 8-hour ozone monitoring summary data for central Oklahoma, and the signed 2007 data certification letter are enclosed.

We are pleased that central Oklahoma continues to remain in compliance with the 8-hour ozone standard and deferral of nonattainment is not necessary. We do, however, remain committed to meeting EAC milestones. An electronic copy of this report is also enclosed on a CD.

If your agency has any questions, or needs additional information concerning this submittal, please contact Leon Ashford, of the Air Quality Division of the Department of Environmental Quality at 702-4100.

Sincerely,

Eddie Terrill, Director
Air Quality Division
DEQ

ET:LA:gg

Enclosures

c: Zach Taylor, ACOG
c: Guy Donaldson
c: Carrie Paige

Monitoring update for December 2007

2007 OKLAHOMA CITY OZONE

Highest 8 Hour Averages through 12/07/07

Site			1st	2nd	3rd	4th	04-06 Avg*	05-07 Avg*
04 4th	05 4th	06 4th	(date)	(date)	(date)	(date)	4th Highs	4th Highs
OKC (North) (037)			0.089	0.082	0.075	0.074	0.081	0.080
0.077	0.078	0.088	13-Aug	15-Aug	22-Sep	6-Jun		
OKC (Central) (033)			0.081	0.081	0.081	0.076	0.077	0.077
0.076	0.077	0.080	14-Jul	13-Aug	15-Aug	7-Jul		
OKC (Moore) (049)			0.074	0.073	0.072	0.071	0.075	0.075
0.070	0.076	0.080	15-Aug	21-Apr	6-Jun	13-Aug		
OKC (Goldsby) (073)			0.078	0.072	0.069	0.069	0.072	0.072
0.068	0.073	0.075	15-Aug	6-Jun	21-Apr	13-Aug		
OKC (Choctaw) (096)			0.087	0.083	0.076	0.076	0.078	0.078
0.072	0.075	0.083	15-Aug	13-Aug	6-Jun	14-Jul		
OKC (Yukon) (101)			0.075	0.075	0.074	0.071	0.076	0.076
0.071	0.079	0.079	21-Apr	15-Aug	2-Sep	22-Sep		

*0.085 or greater indicates exceedance of National Ambient Air Quality Standards

Oklahoma City's design value has improved from an 84 ppb in 1999, our modeling base year, to 80 ppb in 2007.

The exceedance days for Oklahoma City, Oklahoma are listed below.

Year	Number of days	sites
2007	2	6
2006	11	6
2005	3	6
2004	0	6
2003	2	6
2002	3	6
2001	2	6
2000	6	4
1999	6	4

STEVEN A. THOMPSON
Executive Director

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY

BRAD HENRY
Governor

December 18, 2007

David Lutz
US Environmental Protection Agency
Mail Code (D243-02)
Research Triangle Park, NC 27711

Dear Mr. Lutz:

Please find enclosed copies of AMP450 and AMP250AQS reports containing summary statistics and Precision/Accuracy data for Ozone data only collected by the State of Oklahoma during the time frame of January 1, 2007 through October 31, 2007. This data has been certified at the request of Thomas H. Diggs, Associate Division Director of Air Programs, EPA Region 6, and are necessary to demonstrate attainment with the 8-hour ozone standard for each EAC area in the state. Please note that the AMP250 report is being supplied in lieu of the normally requested AMP240 report for precision/accuracy data which is unavailable until after the 2007 calendar year.

I certify to the best of my ability that all ozone data supplied in these reports, including precision/accuracy data for the 2005 – October 31, 2007 time period are complete and accurate and has been submitted into AQS.

Sincerely,

Kent Stafford

Kent Stafford
Environmental Programs Manager
Monitoring Section

cc: Pamela Phillips

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acog

association of central oklahoma governments

December 27, 2007

Richard Greene, Regional Administrator
USEPA Region 6
1445 Ross Avenue, Suite 1200
Dallas, TX 75202-2733

Dear Mr. Greene:

In accordance with the Early Action Compact (EAC) protocol, ACOG respectfully submits the status of Central Oklahoma's emission reduction strategy for inclusion in the State of Oklahoma's Early Action Compact final progress report to EPA. This document is being submitted to you to meet the December 31, 2007 milestone.

In 2004, through a coordinated effort with your office and the Oklahoma Department of Environmental Quality, ACOG identified a local emission reduction strategy that would reduce transportation-related emissions by improving traffic flow and reducing congestion throughout the region. The strategy includes intersection improvements, traffic signal modifications, signal coordination efforts, intelligent transportation techniques and bicycle and pedestrian projects.

ACOG is pleased to announce that it has fulfilled its EAC commitment by implementing all applicable control strategies in Central Oklahoma. The final emission reduction strategy (completed projects and substitutions), surpasses the original emission reductions documented in the 2004 Clean Air Action Plan (CAAP).

ACOG remains committed to maintaining Central Oklahoma's clean air attainment status. If you have further questions or desire additional information, please contact me or Douglas Rex at 405-234-2264.

Sincerely,

Zach D. Taylor
Executive Director

Enclosure

c: Eddie Terrill, ODEQ
Carrie Paige, EPA

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EXTERNAL AFFAIRS DIVISION

21 E Main Street, Suite 100 Oklahoma City, OK 73104-2405 405 234 2264 FAX 234 2200 TTY 234 2217 www.acogok.org

A. Control Measures	B. Summary Description of Measure	C. Program/Measure Status	D. Specific Implementation Date	E. VOC Reduction (lbs/day)	F. NOx Reduction (lbs/day)	G. Resources (FTE's, $)	H. Additional Information
9 Central Oklahoma							
Transportation System Improvements - Intersection improvement, signal modification/interconnection, continuous left turn lanes	This strategy will reduce transportation-related emissions by improving traffic flow and reducing congestion throughout the region. These actions, if successful, will have the desired effect of reducing energy consumption and vehicle emissions. Furthermore, TSM strategies can postpone, or even eliminate the need for capital-intensive measures aimed at increasing roadway capacity.	See individual project information below.	See individual project completion dates listed below.			See individual project information below.	VOC and NOx reductions (Columns E. and F. respectively) represent **total reductions** from original projects in the CAAP plus substitute projects. The total emission reductions meet or exceed original CAAP estimate.
Signal Modification	Signal Modification in Edmond, OK on 15th St @ Pine Oak	Complete	July 2004	2.10	1.63	Sufficient resources have been committed.	
Signal Modification	Signal Modification in Edmond, OK on 15th St. @ Boulevard	Complete	July 2004	4.69	3.63	Sufficient resources have been committed.	
Signal Modification	Signal Modification in Edmond, OK on 2nd St. @ Bauman Ave.	Complete	July 2004	3.89	3.02	Sufficient resources have been committed.	
Signal Modification	Signal Modification in Edmond, OK on 2nd St. @ University Dr.	Complete	July 2004	6.11	4.74	Sufficient resources have been committed.	
Signal Modification	Signal Modification in Edmond, OK on 2nd St. @ Wal-Mart entrance	Complete	July 2004	4.48	3.48	Sufficient resources have been committed.	
Signal Modification	Signal Modification in Edmond, OK on 33rd St. @ Edmond Crossing	Complete	July 2004	2.81	2.18	Sufficient resources have been committed.	
Signal Modification	Signal Modification in Edmond, OK on Danforth Rd. @ Boulevard	Complete	July 2004	3.78	2.93	Sufficient resources have been committed.	
Signal Modification	Signal Modification in Edmond, OK on Danforth Rd. @ Chowning Ave.	Complete	July 2004	2.35	1.82	Sufficient resources have been committed.	
Signal Modification	Signal Modification in Edmond, OK on Danforth Rd. @ Fretz Ave.	Complete	July 2004	2.69	2.09	Sufficient resources have been committed.	
Signal Modification	Signal Modification in Edmond, OK on Edmond Rd. @ Santa Fe Ave.	Complete	July 2004	4.67	3.62	Sufficient resources have been committed.	
Signal Modification	Signal Modification in Edmond, OK on Danforth Rd. @ Blackwelder	Complete	July 2004	1.90	1.48	Sufficient resources have been committed.	
Signal Modification	Signal Modification in Edmond, OK on 15th St. @ Rankin	Complete	July 2004	2.64	2.05	Sufficient resources have been committed.	
Continuous Left Turn Lane	Continuous Left Turn Lane in Midwest City, OK on Douglas Ave. from SE 29th St. to SE 15th St.	Complete	November 2004	12.32	14.12	Sufficient resources have been committed.	
Intersection Improvement	Intersection Improvement in Midwest City, OK on NE 10th St. @ Air Depot Blvd.	Complete	June 2004	4.31	1.73	Sufficient resources have been committed.	
Intersection Improvement	Intersection Improvement in Midwest City, OK on NE 10th St. @ Midwest Blvd.	Complete	June 2004	4.28	1.70	Sufficient resources have been committed.	
Intersection Improvement	Intersection Improvement in Moore, OK on SW 19th St. @ Santa Fe Ave.	Complete	December 2005	2.13	0.42	Sufficient resources have been committed.	
Signal Modification	Signal Modification in Moore, OK on SE 19th St. @ Eagle Ln.	Complete	December 2005	1.64	1.10	Sufficient resources have been committed.	
Intersection Improvement	Intersection Improvement in Norman, OK on Robinson St. @ Northcliff	Complete	December 2005	2.00	0.37	Sufficient resources have been committed.	
Intersection Improvement	Intersection Improvement in Norman, OK on Robinson St. @ 48th Ave. NW	Complete	December 2005	1.95	0.35	Sufficient resources have been committed.	
Signal Modification	Signal Modification/Interconnect in Norman, OK on Gray St. from Flood Rd. to Porter Ave.	Complete	December 2005	1.36	1.05	Sufficient resources have been committed.	
Signal Modification	Signal Modification in Norman, OK on Robinson St. @ Woods Ave.	Complete	January 2004	3.05	2.22	Sufficient resources have been committed.	
Intersection Improvement	Intersection Improvement in Newcastle, OK on SH-130 @ US-62 constructed by the Oklahoma Department of Transportation	Complete	August 2004	1.42	0.19	Sufficient resources have been committed.	
Intersection Improvement	Intersection Improvement in Oklahoma City, OK on Eastern Ave. @ SE 44th St.	Complete	April 2003	2.71	0.68	Sufficient resources have been committed.	
Intersection Improvement	Intersection Improvement in Oklahoma City, OK on NW 150th @ Western Ave.	Complete	May 2005	2.16	0.44	Sufficient resources have been committed.	
Signal Modification	Signal Modification in Oklahoma City, OK on SW Western @ SW 66th St.	Complete	November 2005	2.78	2.01	Sufficient resources have been committed.	
Signal Modification	Signal Modification in Oklahoma City, OK on Council Rd. @ Riverbend Dr.	Complete	July 2004	2.32	1.68	Sufficient resources have been committed.	
Signal Interconnect - This project was originally submitted as a signal interconnect but is being implemented as separate signal modifications. Emission reductions are slightly higher than originally projected (VOC 9.13 and NOx 7.08) based on updated traffic volume numbers for the updated completion date.	Signal Interconnect in Del City, OK on SE 29th St. from Bryant Ave. to Sooner Rd. changed to two signal modifications on SE 29th St. @ Bryant Ave. and SE 29th St. @ Sunnylane.	Complete	January 2006	9.86	7.65	Funds are being implemented as separate signal modifications as opposed to a signal interconnect. Sufficient resources have been committed.	

A. Control Measures	B. Summary Description of Measure	C. Program/Measure Status	D. Specific Implementation Date	E. VOC Reduction (lbs/day)	F. NOx Reduction (lbs/day)	G. Resources (FTE's, $)	H. Additional Information
Intersection Improvement	Intersection Improvement in Norman, OK on Jenkins Ave. @ Imhoff Rd.	Complete	August 2006	2.42	0.54	Sufficient resources have been committed.	
Signal Modification	Signal Modification in Moore, OK on SE 19th St @ Eastern Ave.	Complete	June 2006	2.54	1.72	Sufficient resources have been committed.	
Intersection Improvement - This project is planned for completion but the project is currently in design phase. Emission reductions have been removed from the overall calculations.	Intersection Improvement in Oklahoma City, OK on Tulsa Ave. @ NW 50th St.	Complete	May 2007	4.74	2.09	Sufficient resources have been committed.	
Intersection Improvement - This project is planned for completion but the project is currently in design phase. Emission reductions have been removed from the overall calculations.	Intersection Improvement in Oklahoma City, OK on Tulsa Ave. @ NW 10th St.	Complete	June 2007	3.67	1.25	Sufficient resources have been committed.	
Continuous Left Turn Lane - This project is planned for completion but the project is currently in design phase. Emission reductions have been removed from the overall calculations.	Continuous Left Turn Lane in Warr Acres, OK on MacArthur Blvd. @ NW 50th St. to NW 63rd St.	Complete	June 2007	5.91	3.24	Sufficient resources have been committed.	
			Completed Total	**115.68**	**77.22**		
CAAP TSM Projects with Delayed Implementation Dates (not included in emission reductions)							
Continuous Left Turn Lane - This project is planned for completion but the project is currently in design phase. Emission reductions have been removed from the overall calculations.	Continuous Left Turn Lane in Oklahoma City, OK on Meridian Ave. from SW 29th St. to SW 15th St.	Design Phase	No expected date of completion and therefore has been substituted	5.02	2.34	Sufficient resources have been committed.	Project is in design phase.
			Delayed Total	**5.02**	**2.34**		
CAAP Substitutions for Delayed TSM Projects							
Intersection Improvement	Intersection Improvement in Norman, OK on Porter Ave. @ Rock Creek Rd.	Substitution, Complete	May 2003	3.17	0.93	Sufficient resources have been committed.	
Intersection Improvement	Intersection Improvement in Norman, OK on Robinson St. @ 24th Ave. NE	Substitution, Complete	December 2005	1.63	0.25	Sufficient resources have been committed.	
Intersection Improvement	Intersection Improvement in Norman, OK on 24th Ave. NE @ Alameda	Substitution, Complete	January 2005	2.23	0.46	Sufficient resources have been committed.	
Intersection Improvement	Intersection Improvement in Norman, OK on Alameda @ Shiloh	Substitution, Complete	January 2005	3.09	0.89	Sufficient resources have been committed.	
Continuous Left Turn Lane	Continuous Left Turn Lane in Midwest City, OK on Air Depot from S 15th St. to S 29th St.	Substitution, Complete	July 2005	5.03	2.35	Sufficient resources have been committed.	
Intersection Improvement	Intersection Improvement in Edmond, OK on Kelly Ave. @ 7th St.	Substitution, Complete	October 2005	3.44	1.10	Sufficient resources have been committed.	
Intersection Improvement	Intersection Improvement in Norman, OK on SH-9 @ Berry Rd.	Substitution, Complete	July 2005	4.27	1.70	Sufficient resources have been committed.	
Signal Modification	Signal Modification in Norman, OK on SH-9 @ Technology Place	Substitution, Complete	July 2005	2.40	1.86	Sufficient resources have been committed.	
Signal Modification	Signal Modification in Oklahoma City, OK on N Pennsylvania Ave. @ NW 164th St.	Substitution, Complete	January 2005	2.83	2.06	Sufficient resources have been committed.	
Signal Modification	Signal Modification in Oklahoma City, OK on N Grand Blvd. @ NW 36th St.	Substitution, Complete	September 2005	2.66	1.93	Sufficient resources have been committed.	
Signal Modification	Signal Modification in Oklahoma City, OK on S Wester Ave. @ SW 66th St.	Substitution, Complete	November 2005	3.62	2.63	Sufficient resources have been committed.	
Signal Modification	Signal Modification in Oklahoma City, OK on W. Reno Ave. @ Czech Hall Rd.	Substitution, Complete	June 2005	1.72	1.25	Sufficient resources have been committed.	
Signal Modification	Signal Modification in Oklahoma City, OK on SW 15th @ Dell Dr.	Substitution, Complete	May 2005	2.22	1.61	Sufficient resources have been committed.	
Signal Modification	Signal Modification in Oklahoma City, OK on N Western Ave. @ South of 63rd (6100 block)	Substitution, Complete	December 2005	2.61	1.90	Sufficient resources have been committed.	
Intersection Improvement	Intersection Improvement in Oklahoma City, OK on NW 10th @ N Walker	Substitution, Complete	March 2005	2.56	0.61	Sufficient resources have been committed.	
			Substitute Total	**43.48**	**21.53**		
			Total Difference	**38.46**	**19.19**		Substitutes improve reduction emissions by 9.32 lbs. VOC and 2.7 lbs. NOx over the original projects submitted in 2004
			Total Completed w/ Subs	**159.16**	**98.75**		**Compare to 119.97 and 78.47 from 2004**

A: Control Measures	B - Summary Description of Measure	C - Program/Measure Status	D - Specific Implementation Date	E - VOC Reduction (tpd/day)	F - NOx Reduction (tpd/day)	G: Resources (FTE's, $)	H - Additional Information
Intelligent Transportation Systems Projects	In Central Oklahoma, over 60 percent of the congestion is related to some form of incident. As a result, many of our ITS mitigation strategies have centered around incident management, such as the deployment of Dynamic Message Signs (DMS), closed circuit television (CCTV) and webcams. The philosophy behind this approach is to provide accurate, real time data to the motoring public so that they can make educated decisions on when and where to avoid traffic incidents.	See individual project information below.	See individual project completion dates listed below.			See individual project information below.	VOC and NOx reductions (Columns E. and F. respectively) represent **total reductions** from original projects in the CAAP plus substitute projects.
2 CCTV 3 Webcams	Installation of 2 CCTVs and 3 Webcams on I-44 @ I-240 by the Oklahoma Department of Transportation	Complete	January 2005	10.84	-23.85	Sufficient resources have been committed.	
1 CCTV 4 Webcams	Installation of 1 CCTV and 4 Webcams on I-44 @ SW 59th St. by the Oklahoma Department of Transportation	Complete	January 2005				
1 CCTV 4 Webcams	Installation of 1 CCTV and 4 Webcams on I-44 @ Airport Rd. by the Oklahoma Department of Transportation	Complete	January 2005				
1 CCTV 4 Webcams	Installation of 1 CCTV and 4 Webcams on I-44 @ SW 29th St. by the Oklahoma Department of Transportation	Complete	January 2005				
This ITS improvement has been removed due to it remaining in design phase. The emission reduction calculation for the improvement group remains the same because the same number of miles are impacted by the overall improvements in this I-44 segment.	Installation of 1 CCTV and 4 Webcams on I-44 @ SW 15th St. by the Oklahoma Department of Transportation	Design Phase	No expected date of completion				
2 CCTV 5 Webcams	Installation of 2 CCTVs and 5 Webcams on I-44 @ I-40 by the Oklahoma Department of Transportation	Complete	January 2005				
1 CCTV 4 Webcams	Installation of 1 CCTV and 4 Webcams on I-44 @ NW 10th St. by the Oklahoma Department of Transportation	Complete	January 2005				
1 CCTV 4 Webcams	Installation of 1 CCTV and 4 Webcams on I-44 @ NW 23rd St. by the Oklahoma Department of Transportation	Complete	January 2005				
2 CCTV 4 Webcams	Installation of 2 CCTVs and 4 Webcams on I-44 @ SH-66 by the Oklahoma Department of Transportation	Complete	January 2005				
1 CCTV 4 Webcams	Installation of 1 CCTV and 4 Webcams on SH-74 @ SH-3 by the Oklahoma Department of Transportation	Complete	January 2005	2.71	-12.66	Sufficient resources have been committed.	
1 CCTV 2 Webcams	Installation of 1 CCTV and 2 Webcams on SH-74 @ Grand Ave. by the Oklahoma Department of Transportation	Complete	January 2005				
1 CCTV 3 Webcams	Installation of 1 CCTV and 3 Webcams on SH-74 @ Britton Rd. by the Oklahoma Department of Transportation	Complete	January 2005				
1 CCTV 3 Webcams	Installation of 1 CCTV and 3 Webcams on SH-74 @ Hefner Rd. by the Oklahoma Department of Transportation	Complete	January 2005				
1 CCTV 3 Webcams	Installation of 1 CCTV and 3 Webcams on SH-74 @ 122nd St. by the Oklahoma Department of Transportation	Complete	January 2005				
1 CCTV 4 Webcams	Installation of 1 CCTV and 4 Webcams on SH-74 @ Memorial Rd. by the Oklahoma Department of Transportation	Complete	January 2005				

A. Control Measures	B. Summary Description of Measure	C. Program/Measure Status	D. Specific Implementation Date	E. VOC Reduction (lbs/day)	F. NOx Reduction (lbs/day)	G. Resources (FTE's, $)	H. Additional Information
1 CCTV 4 Webcams	Installation of 1 CCTV and 4 Webcams on I-40 @ Meridian Ave. by the Oklahoma Department of Transportation	Complete	January 2005				
1 CCTV 6 Webcams	Installation of 1 CCTV and 6 Webcams on I-40 @ Gaylord by the Oklahoma Department of Transportation	Complete	February 2005				
1 CCTV 4 Webcams	Installation of 1 CCTV and 4 Webcams on I-40 @ I-235 by the Oklahoma Department of Transportation	Complete	Fall 2007				
1 CCTV 2 Webcams	Installation of 1 CCTV and 2 Webcams on I-40 @ Byers St. by the Oklahoma Department of Transportation	Complete	Fall 2007				
1 CCTV 4 Webcams	Installation of 1 CCTV and 4 Webcams on I-40 @ I-35 S by the Oklahoma Department of Transportation	Complete	Fall 2007				
1 CCTV 3 Webcams	Installation of 1 CCTV and 3 Webcams on I-40 @ Reno Ave. by the Oklahoma Department of Transportation	Complete	Fall 2007				
1 CCTV 2 Webcams	Installation of 1 CCTV and 2 Webcams on I-40 @ Scot St. by the Oklahoma Department of Transportation	Complete	Fall 2007	9.84	-39.36	Sufficient resources have been committed.	
1 CCTV 2 Webcams	Installation of 1 CCTV and 2 Webcams on I-40 @ SE 29th St. by the Oklahoma Department of Transportation	Complete	December 2003				
1 CCTV 2 Webcams	Installation of 1 CCTV and 2 Webcams on I-40 @ Air Depot Blvd. by the Oklahoma Department of Transportation	Complete	December 2003				
1 CCTV 3 Webcams	Installation of 1 CCTV and 3 Webcams on I-40 @ Lockheed Blvd. by the Oklahoma Department of Transportation	Complete	December 2003				
3 Webcams	Installation of 3 Webcams on I-40 @ H Blvd. by the Oklahoma Department of Transportation	Complete	December 2003				
1 Webcam	Installation of 1 Webcams on I-40 @ Industrial Blvd. by the Oklahoma Department of Transportation	Complete	December 2003				
1 CCTV 3 Webcams	Installation of 1 CCTV and 3 Webcams on I-40 @ Douglas Blvd. by the Oklahoma Department of Transportation	Complete	December 2003				
			Completed Total	**23.39**	**-75.86**		

A. Control Measures	B. Summary Description of Measure	C. Program/Measure Status	D. Specific Implementation Date	E. VOC Reduction (lbs/day)	F. NOx Reduction (lbs/day)	G. Resources (CTS p. 58)	H. Additional Information
CAAP ITS Projects with Delayed Implementation Dates (not included in emission reductions)							
This ITS improvement group is still in design phase and therefore has been removed from the list. The project listed at I-35 and I-240 has been completed and has been listed in the substitute list as part of a new improvement group. The overall number of substitute projects is greater but the total number of miles impacted is less.	Installation of 1 CCTV and 4 Webcams on I-35 @ Reno Ave. by the Oklahoma Department of Transportation	Design Phase	No expected date of completion and therefore has been substituted	12.19	-12.19	Sufficient resources have been committed.	Project group is in design phase.
	Installation of 1 CCTV and 4 Webcams on I-35 @ NW 4th St. by the Oklahoma Department of Transportation	Design Phase	No expected date of completion and therefore has been substituted				
	Installation of 1 CCTV and 4 Webcams on I-35 @ I-240 (S. 74th St.) by the Oklahoma Department of Transportation	Complete, See below for emission calculations	September 2005				
CAAP Substitutions for Delayed ITS Projects							
1 CCTV 4Webcams	Installation of 1 CCTV and 4 Webcams on I-35 @ I-240 (S. 74th St.) by the Oklahoma Department of Transportation	Complete	September 2005	6.84	-6.84	Sufficient resources have been committed.	
1 CCTV 4 Webcams	Installation of 1 CCTV and 4 Webcams on I-35 @ S. 59th St. by the Oklahoma Department of Transportation	Substitution, Complete	September 2005				
1 CCTV 4Webcams	Installation of 1 CCTV and 4 Webcams on I-35 @ S. 89th St. by the Oklahoma Department of Transportation	Substitution, Complete	September 2005				
1 CCTV 4Webcams	Installation of 1 CCTV and 4 Webcams on I-35 @ S. 104th St. by the Oklahoma Department of Transportation	Substitution, Complete	September 2005				
1 CCTV	Installation of 1 CCTV and 4 Webcams on I-35 @ S. 119th St. by the Oklahoma Department of Transportation	Substitution, Complete	September 2005				
Signal Modification	Signal Modification in Oklahoma City, OK on W. Reno Ave. @ Cemetary Rd.	Substitution, Complete	April 2005	1.56	1.14	Sufficient resources have been committed.	
Signal Modification	Signal Modification in Oklahoma City, OK on MacArthur @ SW 44th St.	Substitution, Complete	November 2005	3.84	2.78	Sufficient resources have been committed.	
			Substitute Total	**12.24**	**-2.92**		
			Total Difference	**0.05**	**9.27**		Substitutes increase VOC reductions by .05 lbs. and reduce the increase in NOx by 9.27 lbs. over the original projects submitted in 2004
			Total Completed w/subs	**35.63**	**-78.78**		Compare to 35.58 and -88.05 from 2004
Bike/Pedestrian facilities	There are 4 bicycle/pedestrian projects eligible in the OCARTS area. These projects create a total of 11 miles of new bike/pedestrian trails. Due to minimal trail mileage created there is a low percentage of mode shift from driving to walking or riding a bike, and the actual amount of emission reduction is too low to report. Individually, the main function of the four trail projects is recreational usage. However, each project is part of a local city's future master trail plan, and is comprised of several trails linked together. The linking of several trails help to reduce VMT by creating safer paths for alternate modes of transportation to work, school, and shopping. The master trail plans also serve to create a larger, more accessible recreational area for more citizens. Thus, promoting healthy lifestyles and a better quality of life.	See individual project information below.	See individual project completion dates listed below.	N/A	N/A	See individual project information below.	
Bike/Pedestrian Trail	Construction of Mitch Park Trail, a 4 mi. bike/pedestrian trail, from Santa Fe Ave. north of Covell Rd. to Kelly Ave. north of Covell Rd. in Edmond, OK	Complete	2005	N/A	N/A	Sufficient resources have been committed.	Since 1996, the cities of Edmond , Norman , and Oklahoma City , have completed Trails Master Plans. These plans evaluate existing facilities and conditions, show corridors and areas where trails are needed or desired, describe design guidelines for bicycle and pedestrian facilities, list possible funding sources, and recommend an implementation plan for each city's trails. Consequently, the cities of Edmond, Norman, and Oklahoma City possess the majority of existing and planned mileage of bicycle facilities in the region. Additionally, many other cities throughout the region have demonstrated significant interest in trails by constructing trails in their communities with local, state, federal, and private funding. As of December 2003, there are nearly 84 miles of existing bicycle facilities in the region with an additional 46 miles committed to be constructed by the end of 2005.
Bike/Pedestrian Trail	Construction of the Lake Overholser East Trail, a 2.5 mi. bike/pedestrian trail, from NW 39th Expressway to NW 16th St. in Oklahoma City, OK	Complete	2005	N/A	N/A	Sufficient resources have been committed.	
Bike/Pedestrian Trail	Construction of the Legacy Trail North, a 3 mi. bike/pedestrian trail, from Acres St. to 24th Ave. NW in Norman, OK	Complete	2005	N/A	N/A	Sufficient resources have been committed.	
Bike/Pedestrian Trail	Reconstruction of the Hafer Park Trail, a 1.5 mi. bike/pedestrian trail, in Hafer Park in Edmond, OK	Complete	2005	N/A	N/A	Sufficient resources have been committed.	
Total Reductions				194.79			Compare to 155.55 VOC from orginal